Chapter 2

Disassembly Procedure

Please follow the information provided in this section to perform the complete disassembly procedure of the notebook. Be sure to use proper tools described before.

ASUS N71VN Series Notebook consists of various modules. This chapter describes the procedure for the complete notebook disassembly. In addition, in between procedures, the detailed disassembly procedure of individual modules will be provided for your service needs.

The disassembly procedure consists of the following steps:

- Battery Module
- Memory Module
- Wireless LAN Module
- TV-Tuner Module
- HDD Module
- ODD Module
- Keyboard Module
- Top Case Module
- LCD Module
- Motherboard Module
- CPU Module
- Bottom Case Module

BATTERY

Battery Module

The illustration below shows how to remove the battery module.

Remove Battery Module

Hold the battery latch and take the battery away.

BACK

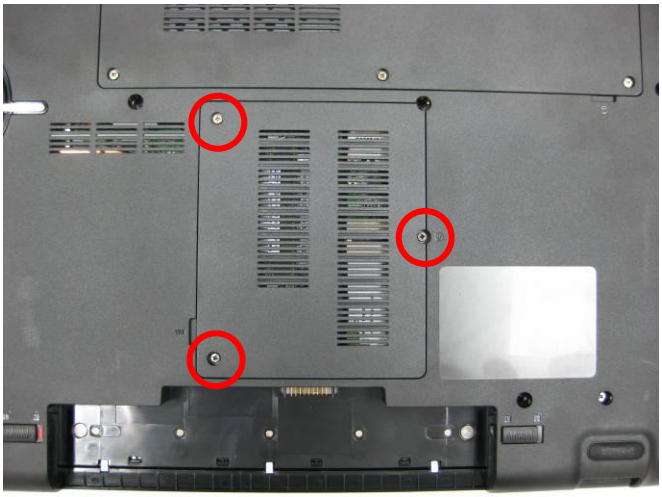
MEMORY

Memory Module

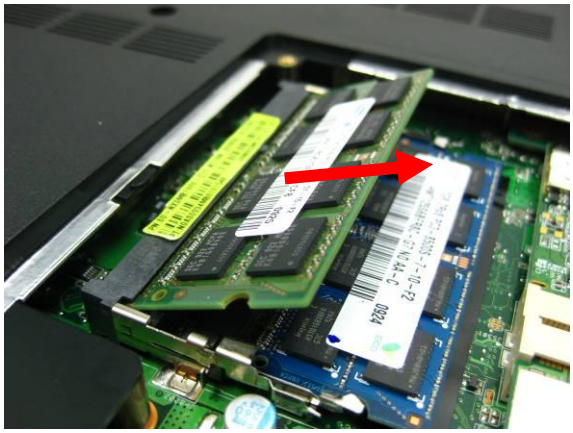
The illustration shows how to remove the Memory Module.

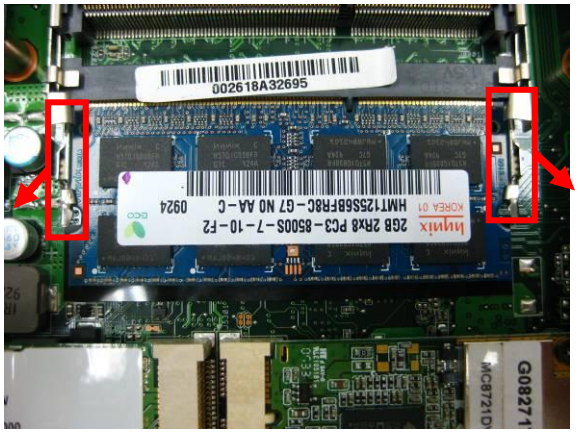
Remove Memory Module

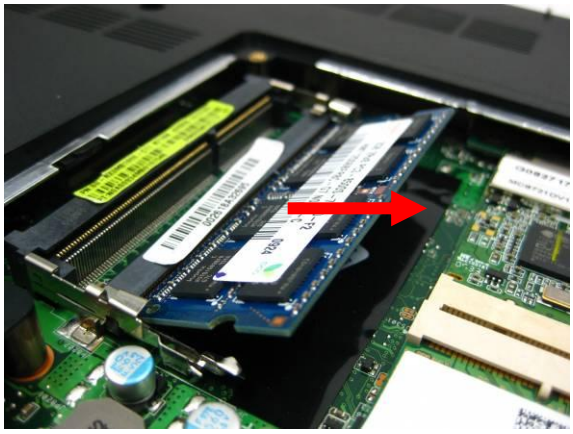
1. Remove 3 screws here and take the CPU door away.



2. Pull two latches here to pop the Memory module up at 45° angles, and then pull out the module at that angle.







BACK

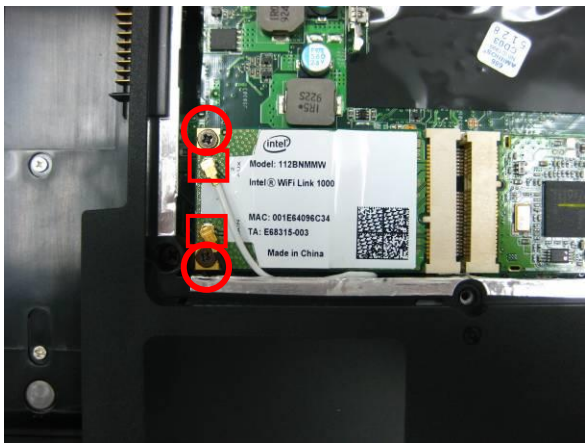
WLAN

Wireless LAN Module

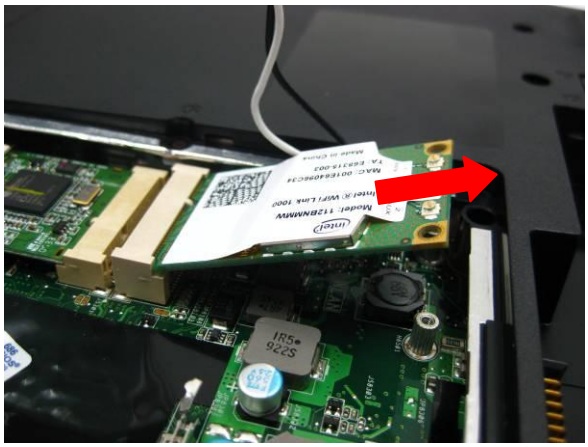
The illustration below shows how to remove the Wireless LAN Module from the notebook.

Remove Wireless LAN Module

1. Disconnect the Wireless Land antennas and remove 2 screws here.



2. Pull out the WLAN card from its slot.



BACK

TV-TUNER

TV-Tuner Module

The illustration below shows how to remove the TV-Tuner Module from the notebook.

Remove Wireless LAN Module

1. Disconnect the TV-Tuner antenna.

2. Remove 2 screws here and pull out the TV-Tuner card from its slot.

BACK

HDD

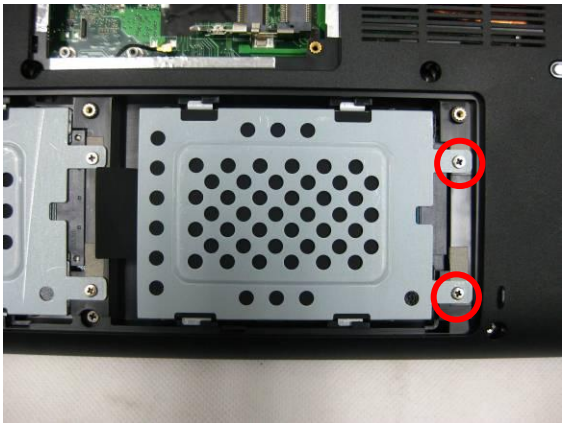
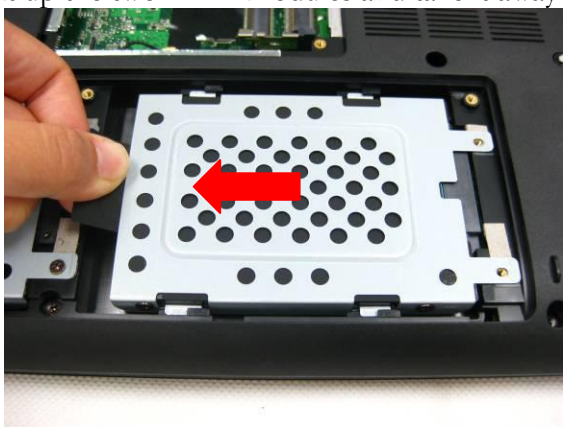
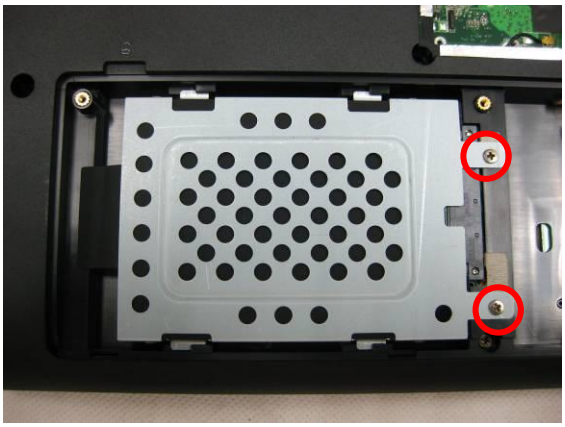
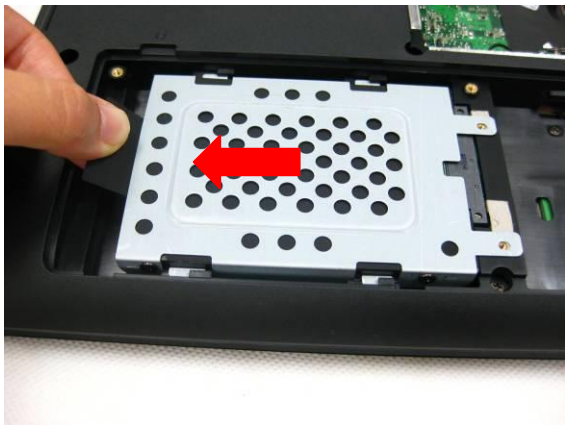
HDD Module

The illustrations below show how to remove the HDD Module from the notebook.

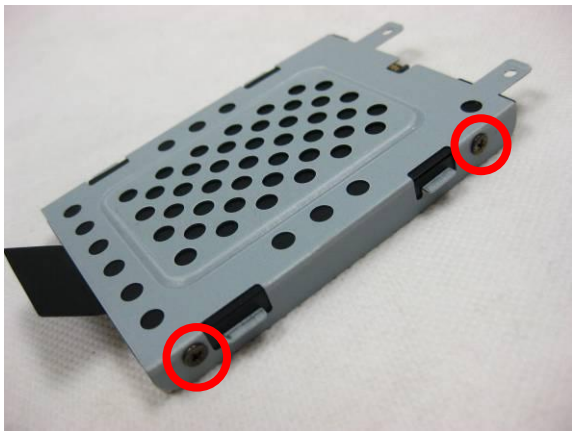
Remove HDD Module

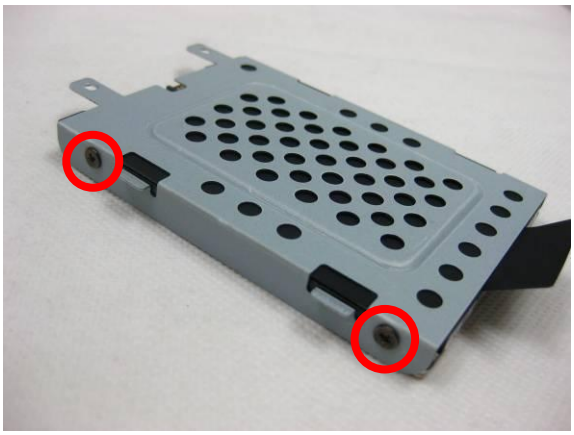
1. Remove 2 screws here and take the HDD door away.

2. Remove 2screws on each HDD bracket. Lift up the two HDD modules and take it away.

3. Remove 4 screws on each HDD brackets to separate HDD from HDD housing





BACK

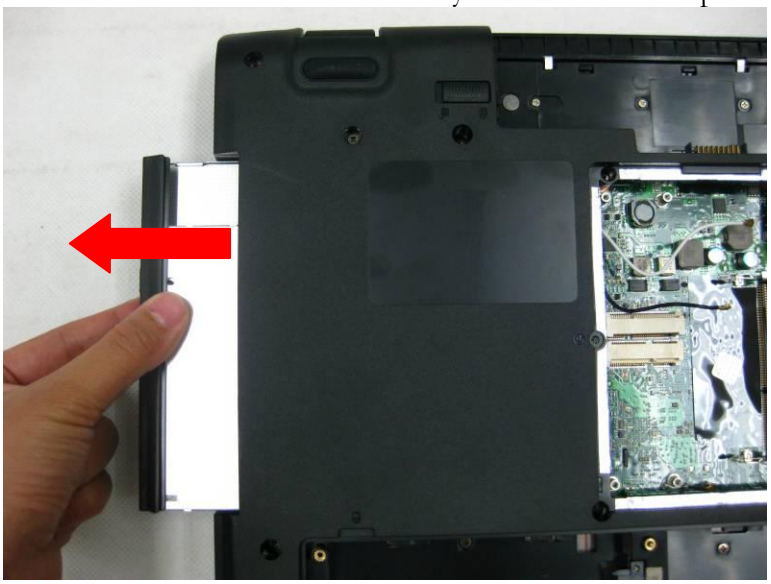
ODD

ODD Module

The illustrations below show how to remove the ODD Module.

Remove ODD Module

1. Pull out the ODD module slowly with a screwdriver push on back.



BACK

KEYBOAR

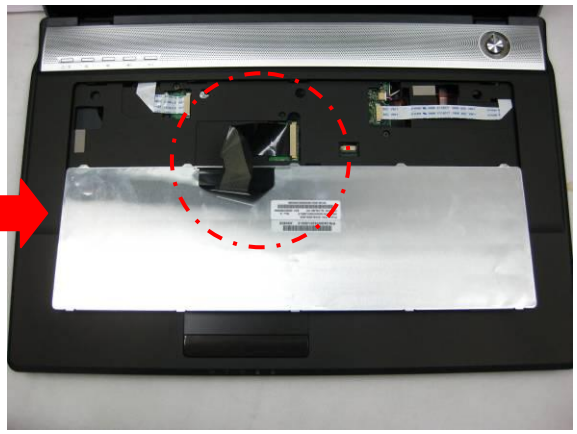
Keyboard Module

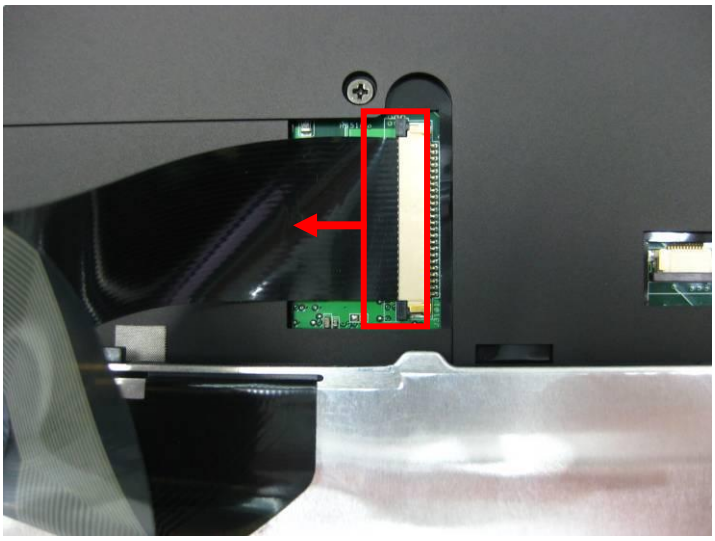
The illustrations below show how to remove the Keyboard and disassemble the Keyboard Cover.

Remove the Keyboard

1. Open 5 latches (Esc, F5, F9, Prt Sc, End) on keyboard module by a pair of tweezers.

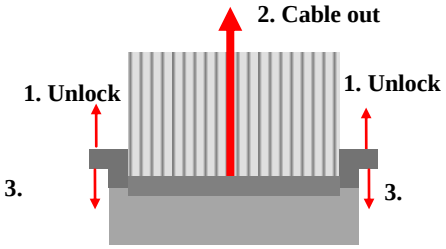
2. Turn over the keyboard plate and tear of the tape here, disconnect the LED cable and the keyboard FPC to remove the keyboard plate.





Remove Keyboard Cable

1. Use a flexible connector tool to unlock the cable connector on both ends (no. 1).
2. Carefully pull out the keyboard cable (no. 2) with a pair of tweezers.
3. Lock the connector (no. 3) again to avoid possible breakage.



BACK

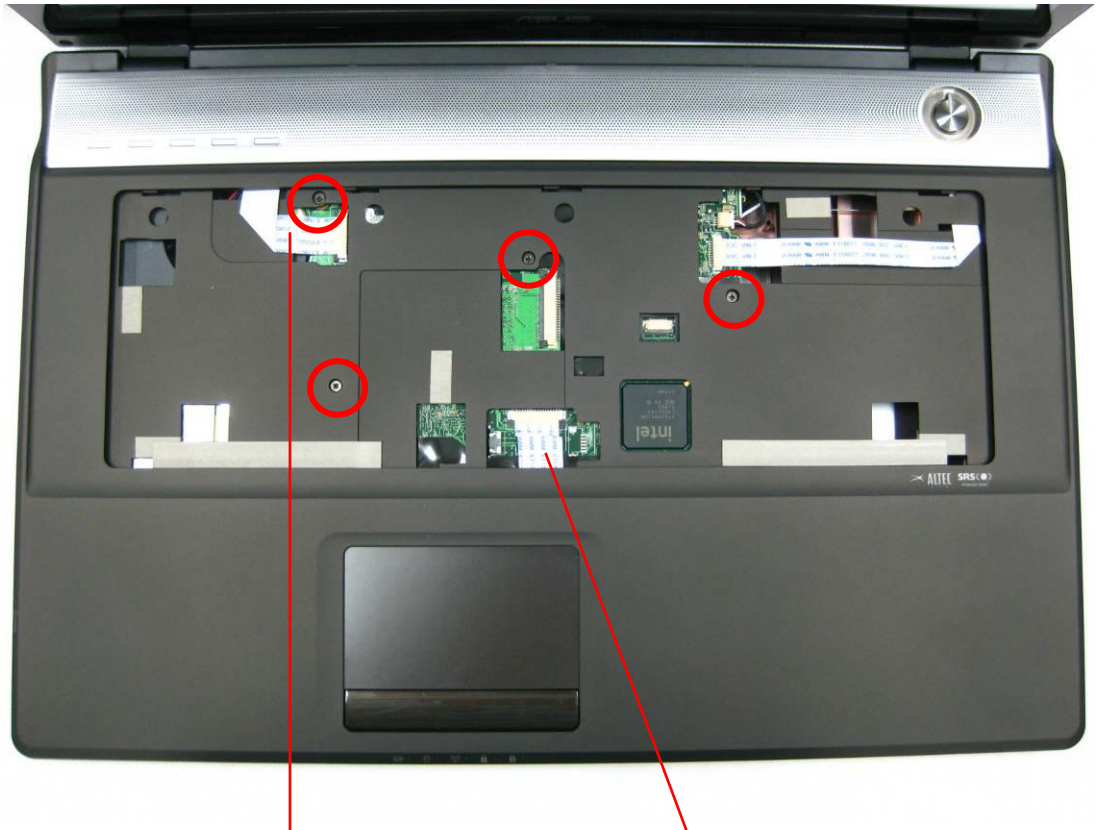
TOP CASE

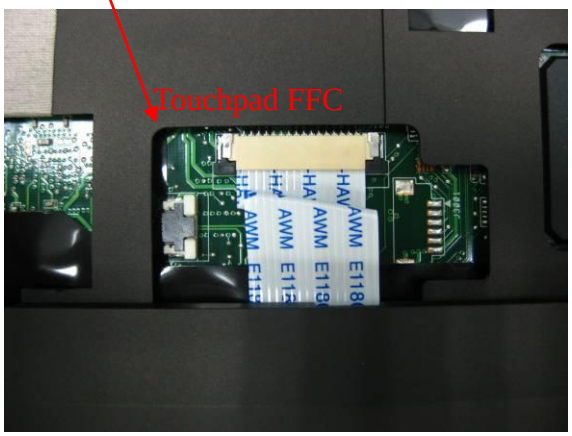
Top Case Module

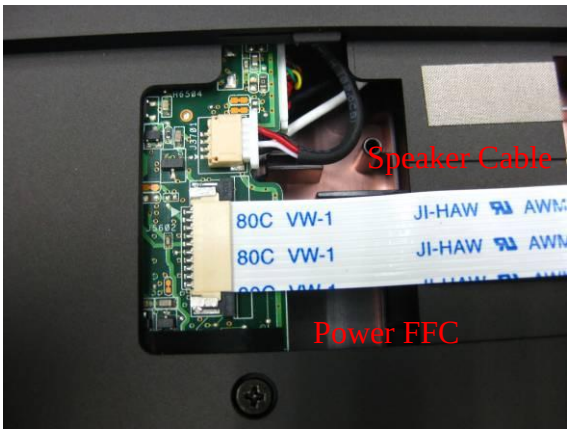
The illustrations below show how to remove and disassemble the Top Case Module.

Remove the Top Case Module

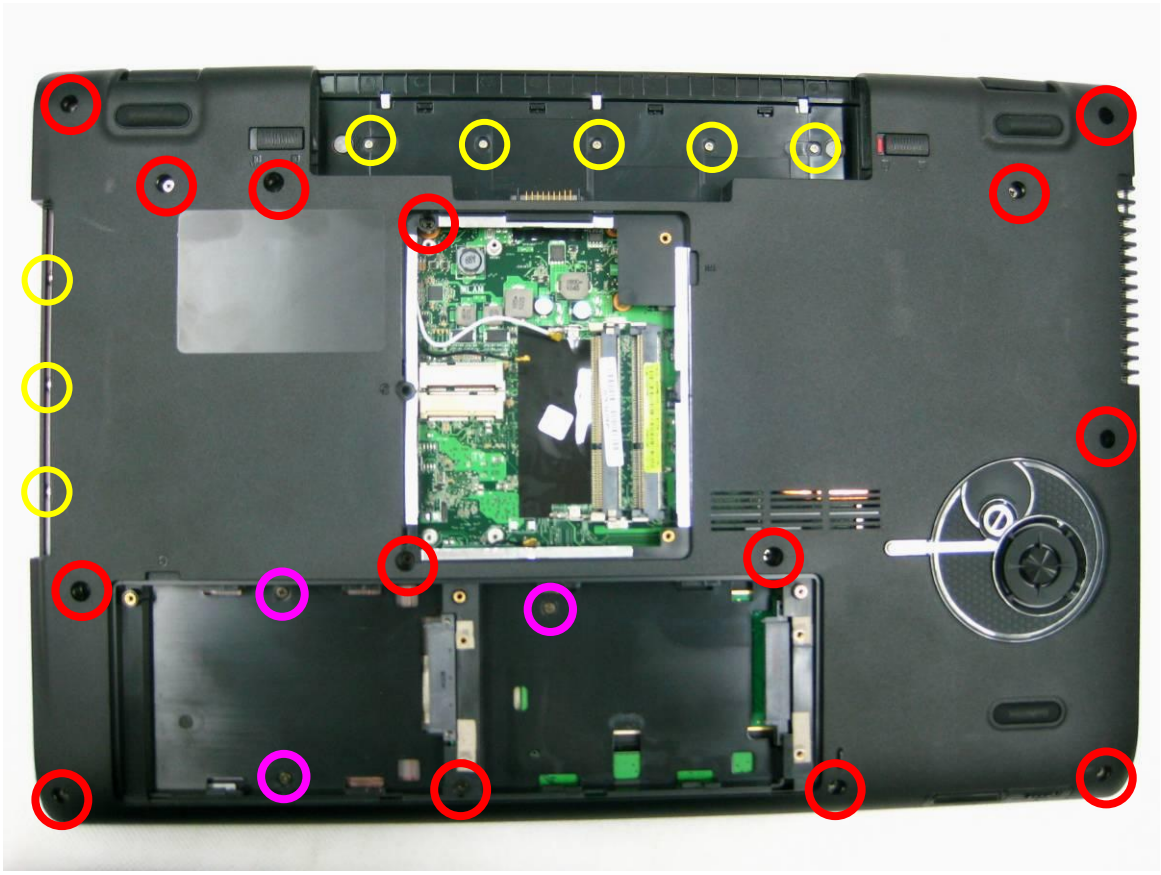
1. Disconnect the Hotkey FFC ,Touchpad Board FFC, Speaker cable and Power FFC. Remove 4 screws here.



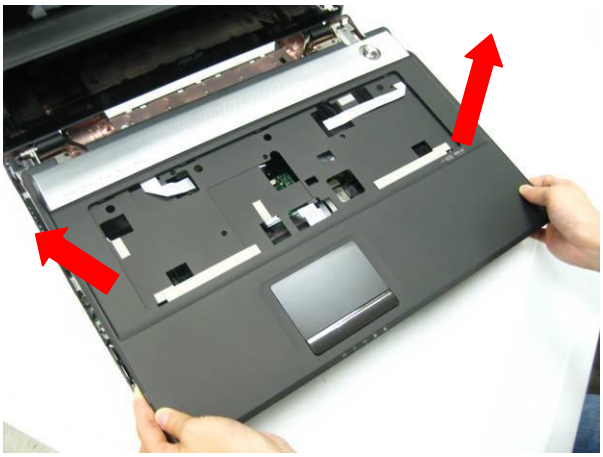




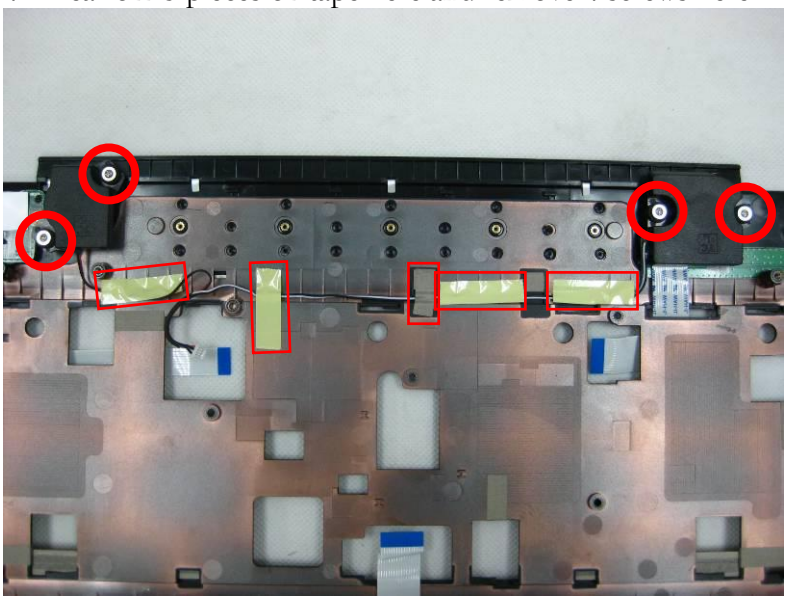
2. Remove 25 screws (14 M2.5*8L+3 M2.5*5L+8 M2*2.5L) on the bottom case.

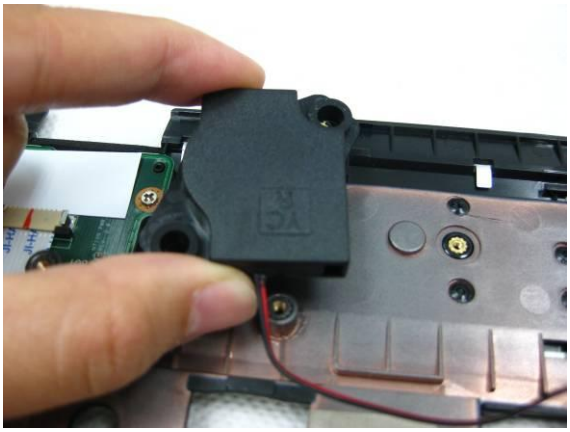
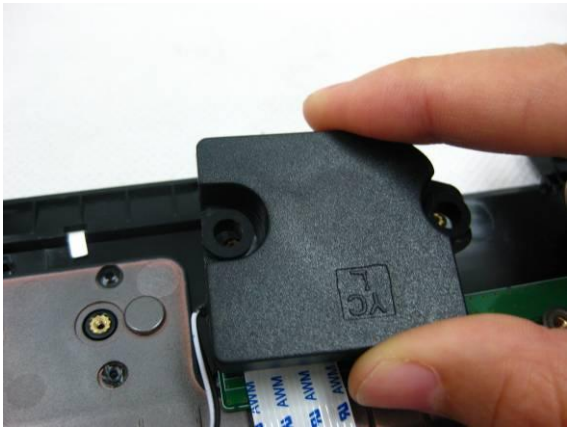


3. Separate the Top case from the bottom case.

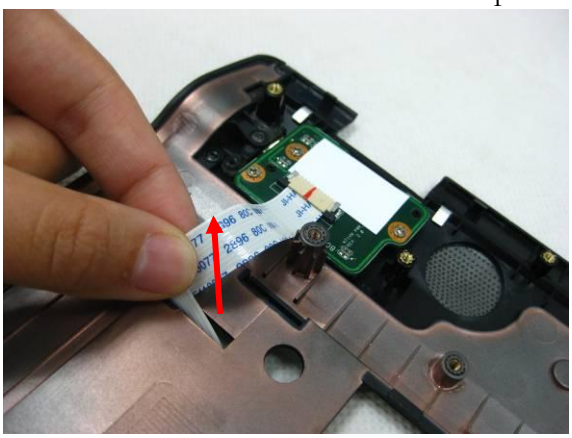
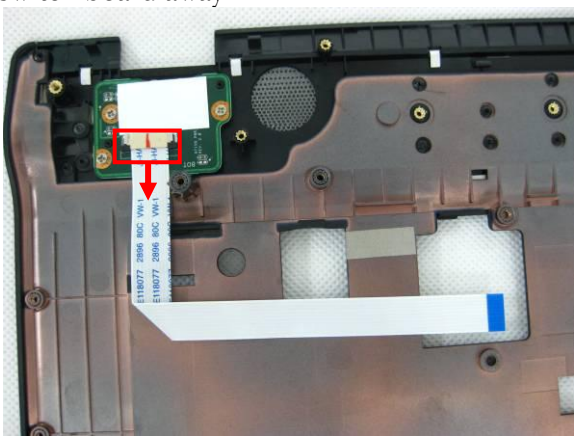
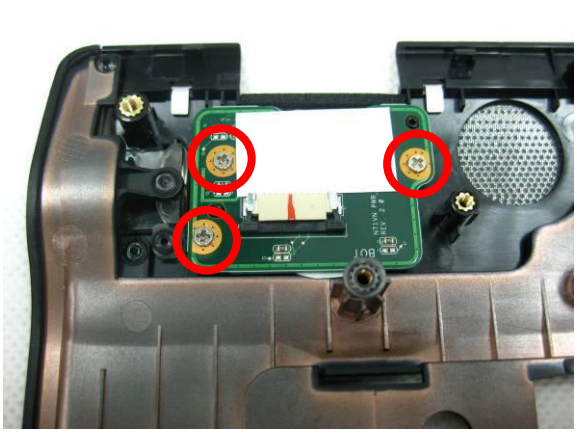
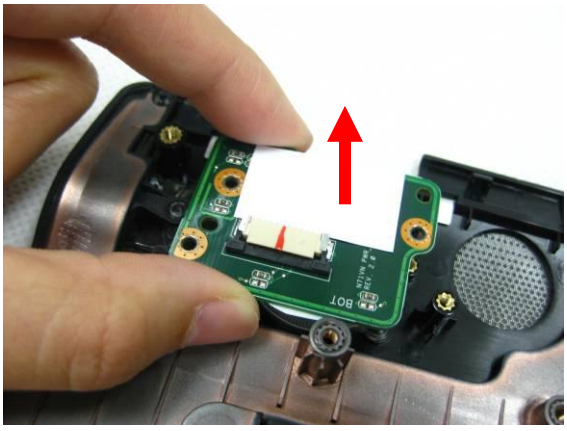


4. Tear off 5 pieces of tape here and remove 4 screws here. Then take the speakers away.

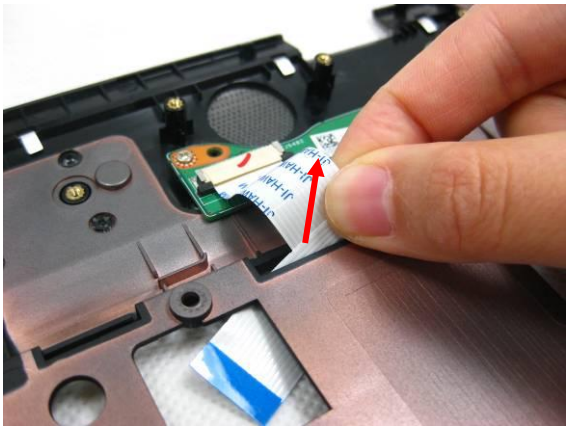
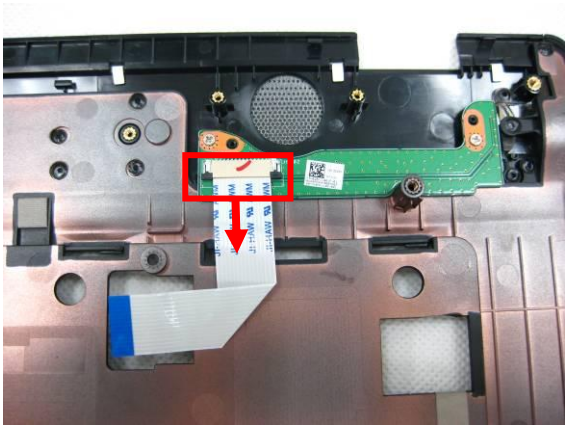
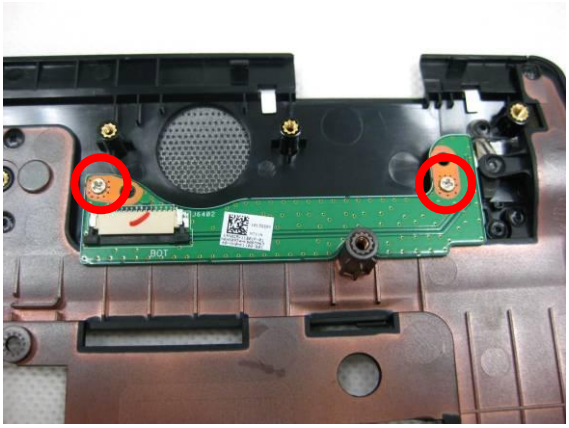
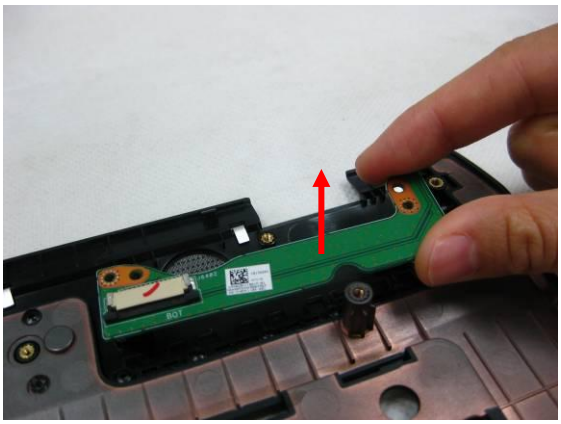


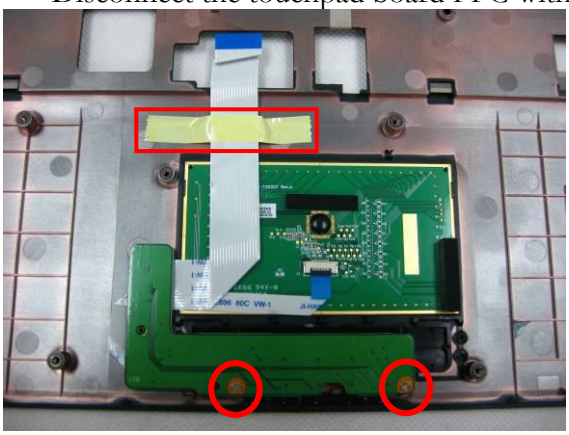
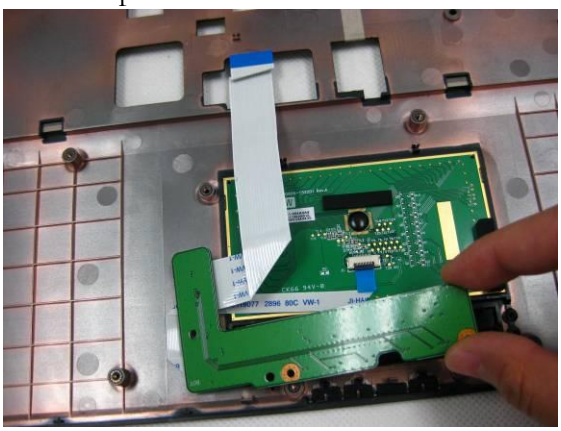
2. Reel off the power FFC and disconnect it with the power switch board. Remove 3 screws here and take the power switch board away.

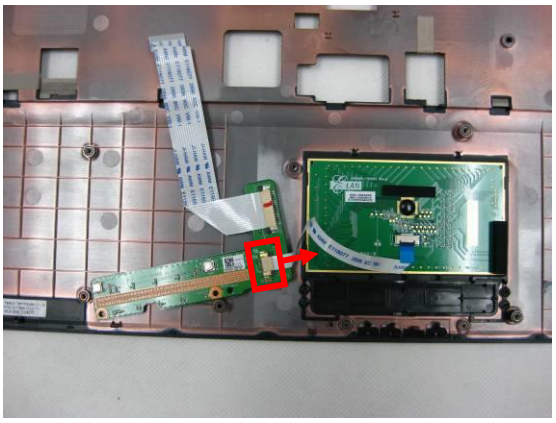





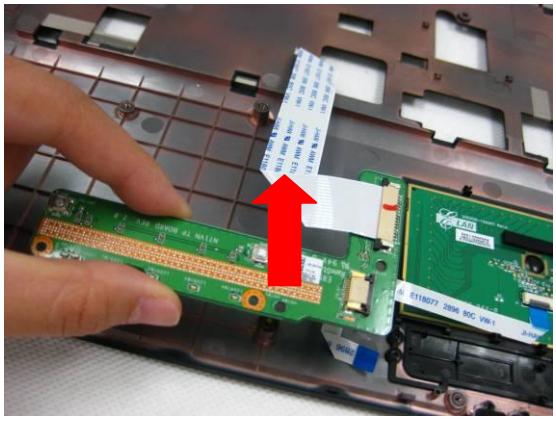
3. Reel off the hotkey FFC and disconnect it with the hotkey board.
   Remove 2 screws here and take the hotkey board away.

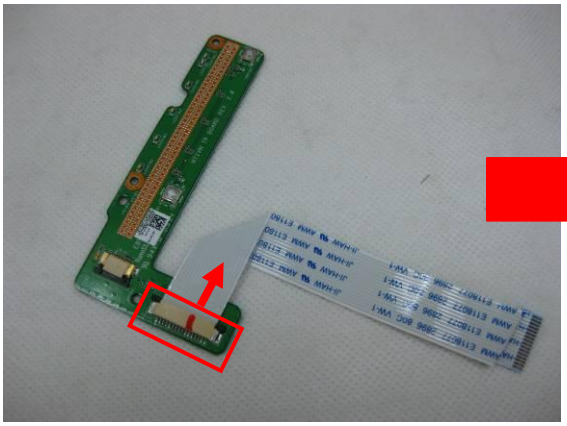





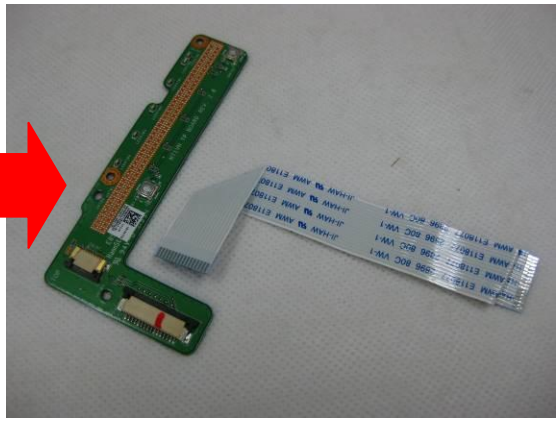
4. Tear off the tape here and remove 2 screws here, then turn over the touchpad board.
   Then disconnect the touchpad FFC and remove the touchpad board.
   Disconnect the touchpad board FFC with the touchpad board.

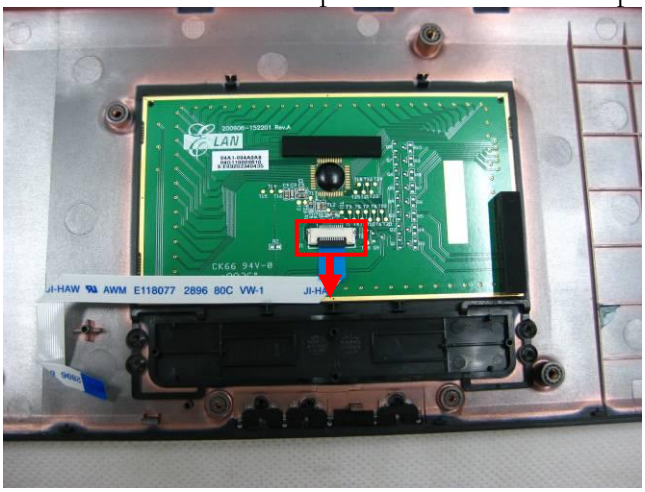








5. Disconnect the touchpad FFC with the touchpad and take it away.



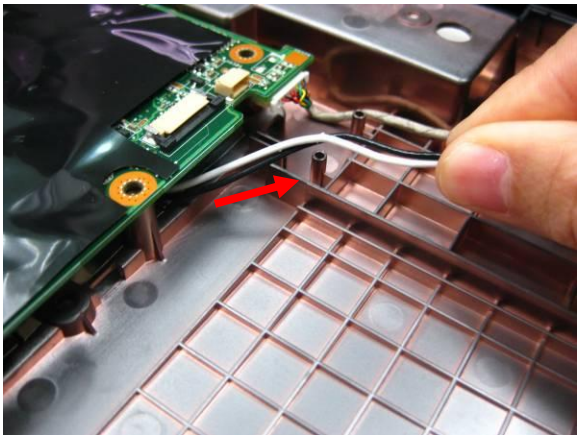
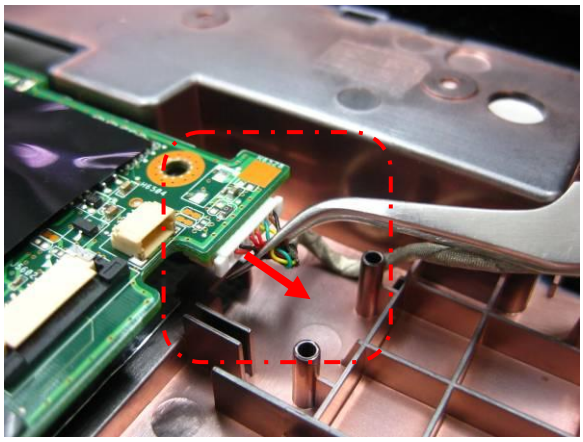
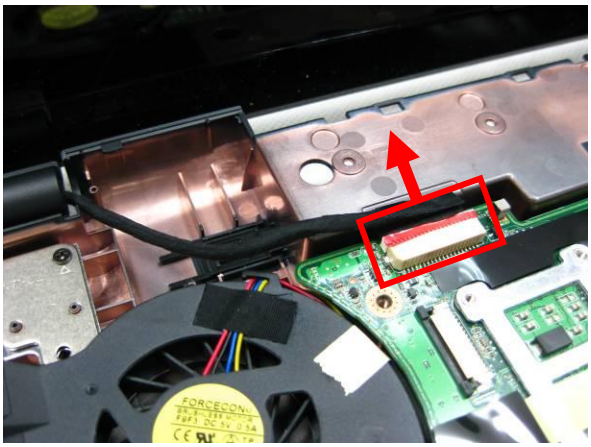
BACK

LCD Module

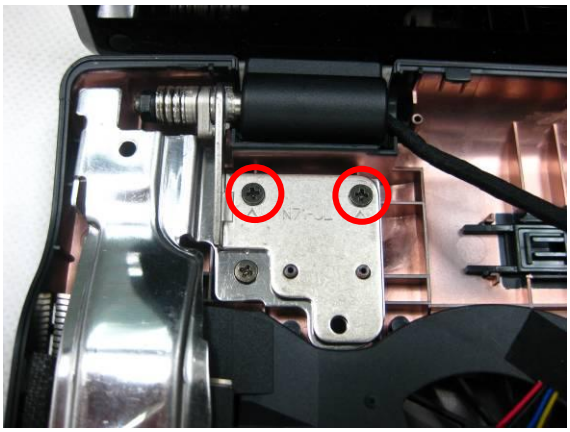
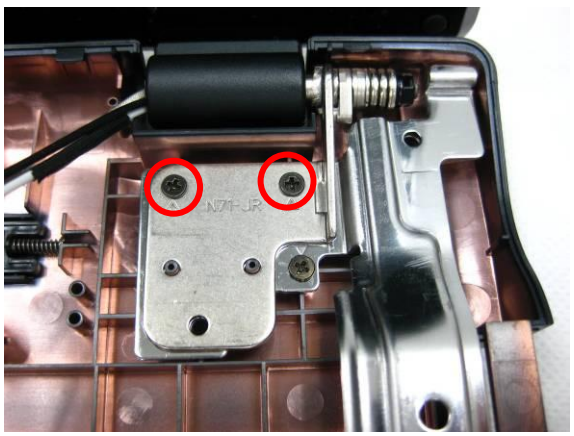
The illustrations below show how to remove and disassemble the LCD Module of the notebook.

Removing the LCD Module

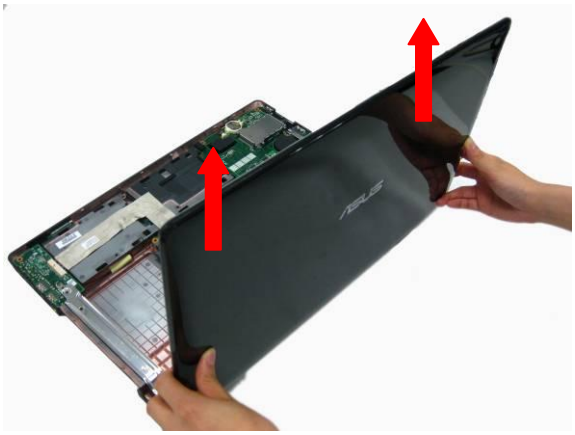
1. Reel off the WLAN antennas and disconnect the CMOS cable, the LVDS cable with the motherboard.

2. Remove 4 screws here.

3. Remove the LCD module from the bottom case.



BACK

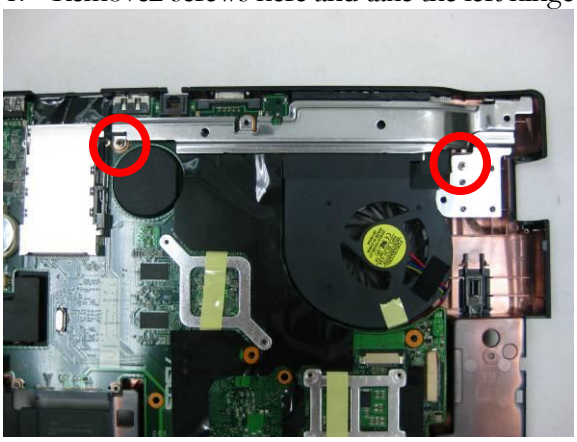
MOTHERBOARD

Motherboard Module

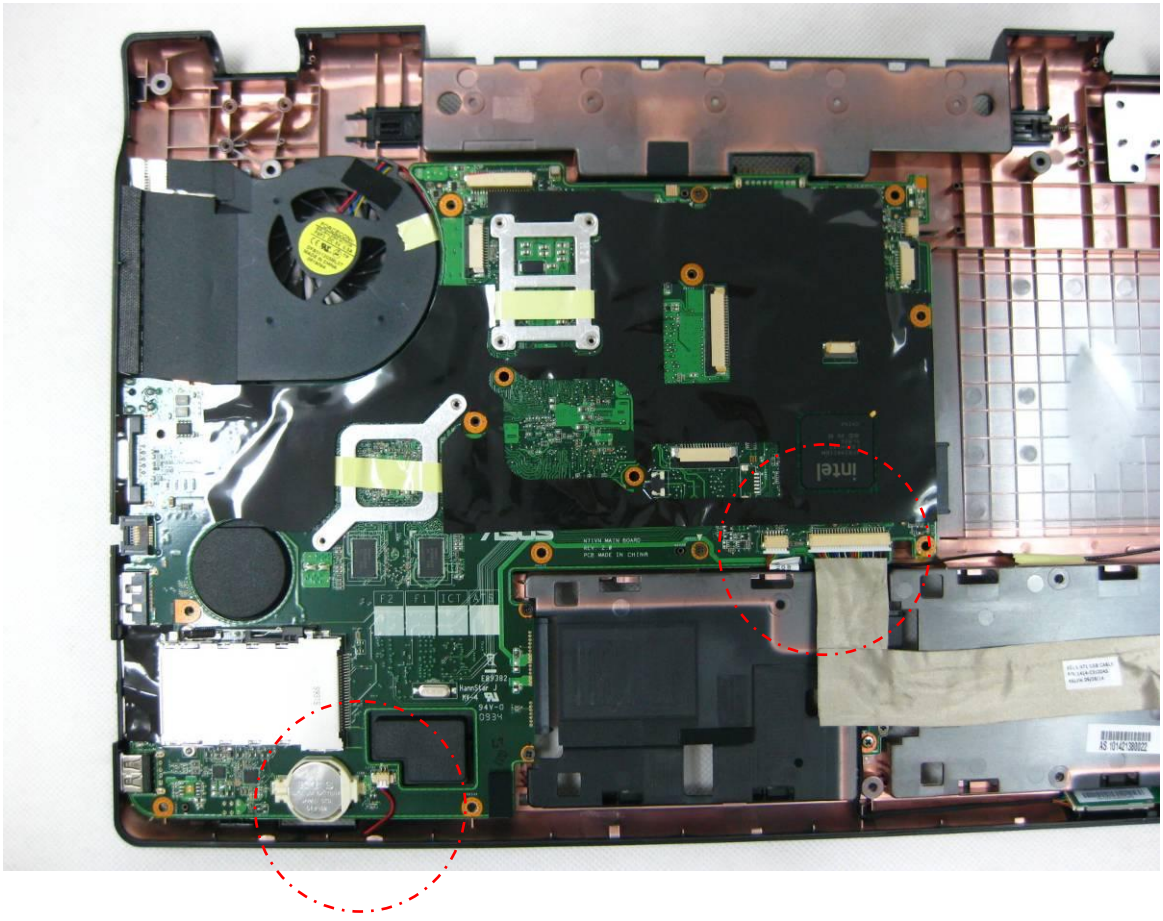
The illustrations below show how to disassemble and remove the Motherboard Module.

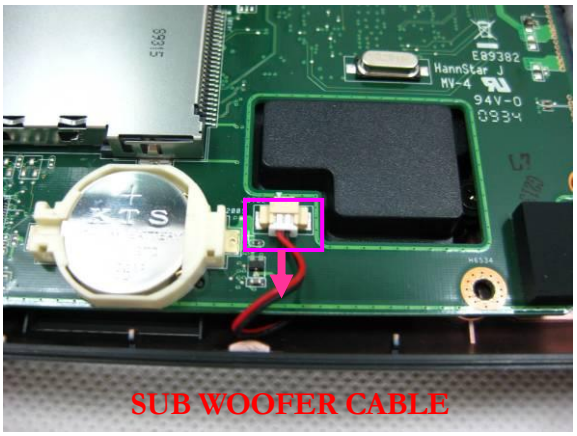
Remove the Motherboard Module

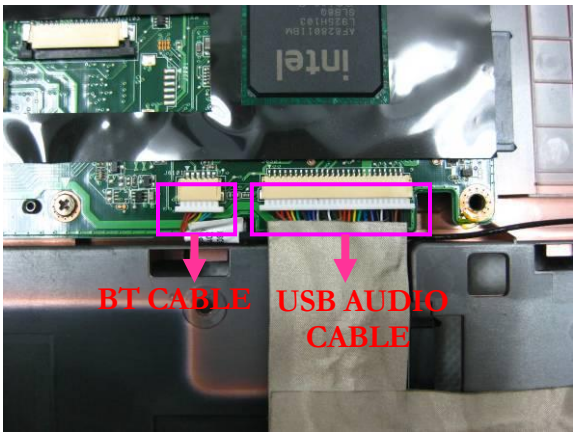
1. Remove2 screws here and take the left hinge saddle away.



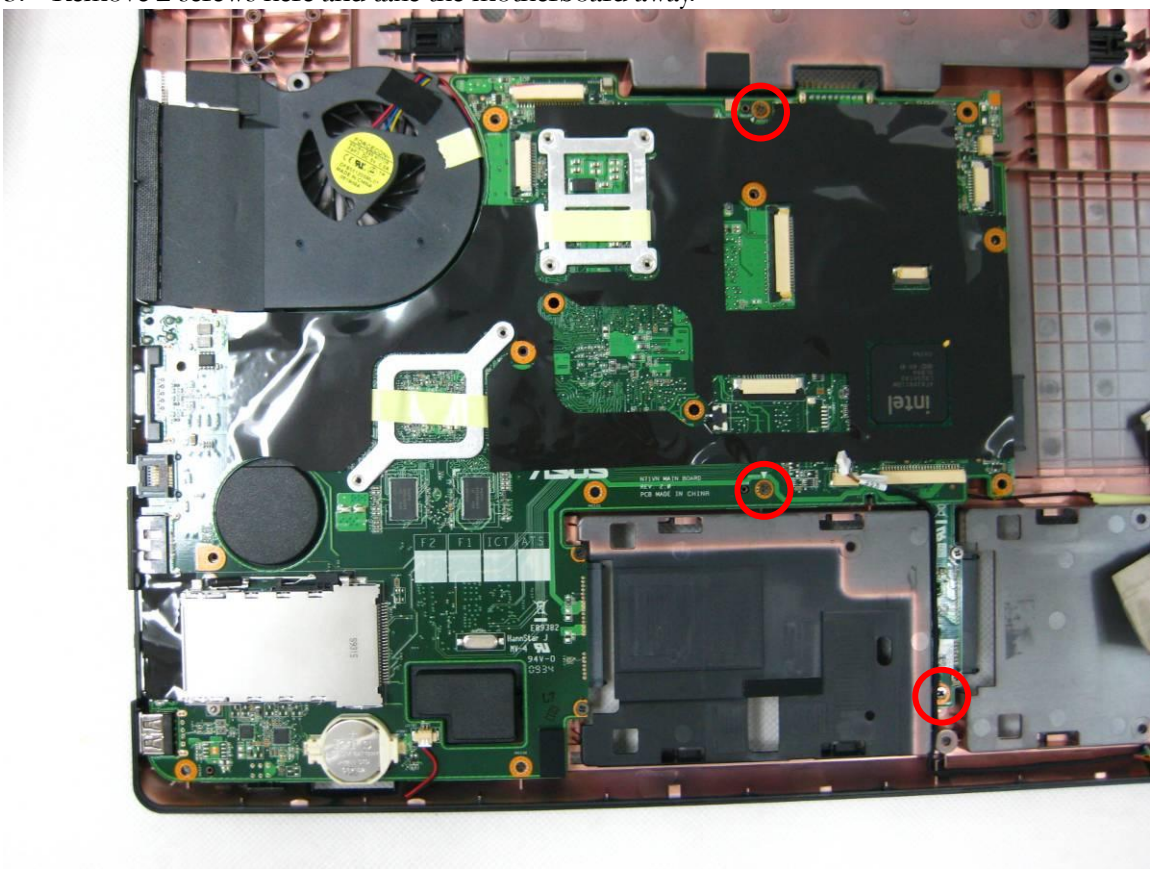
2. Disconnect the SUB WOOFER CABLE, Bluetooth cable and USB AUDIO CABLE with the motherboard.

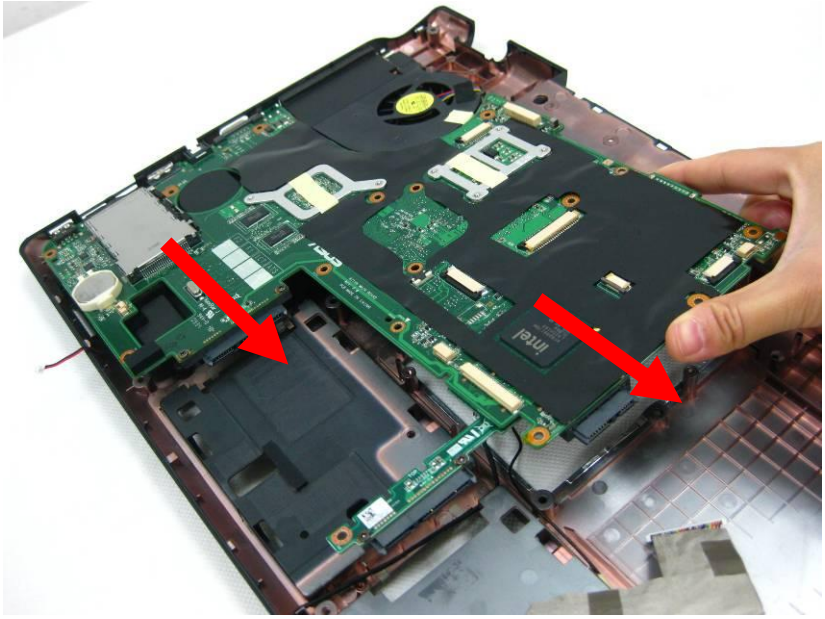




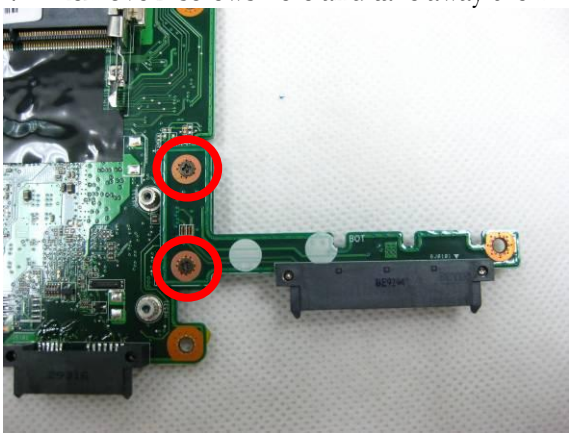


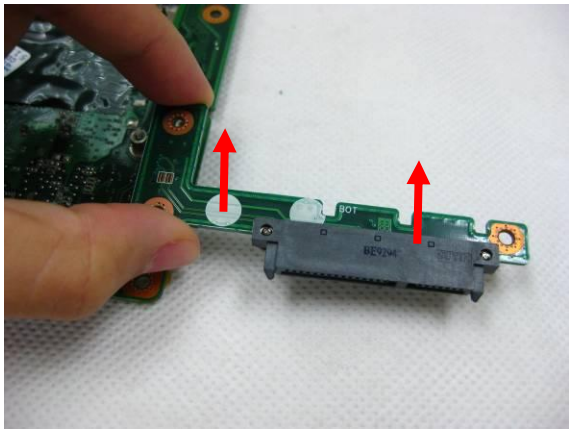
3. Remove 2 screws here and take the motherboard away.





4. Remove 2 screws here and take away the HDD Board.





BACK

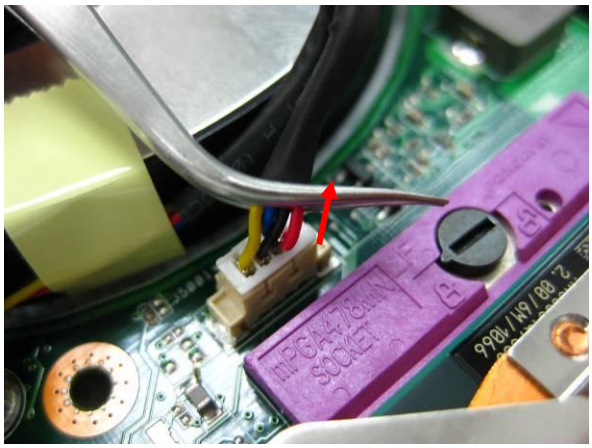
CPU

CPU Module

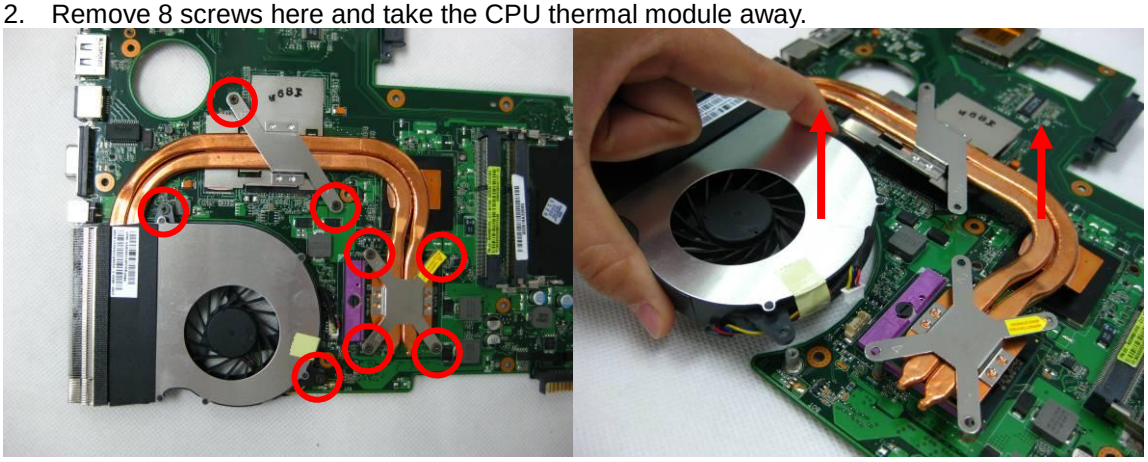
The illustrations below show how to remove the CPU module.

Remove the CPU Module

1. Disconnect the fan cable.

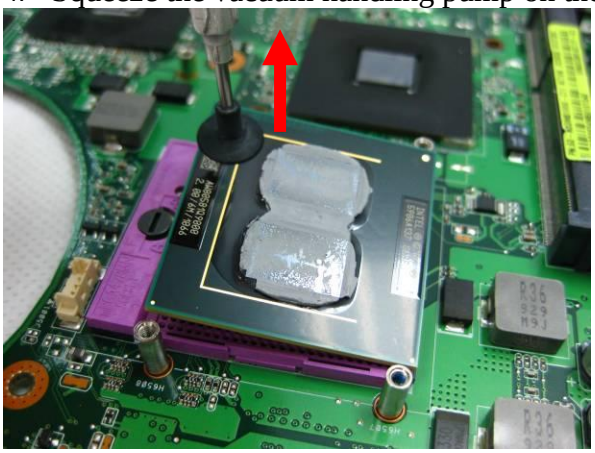


2. Remove 8 screws here and take the CPU thermal module away.



3. Turn the non-removable screw here 180 degrees counter-clockwise to loosen the CPU.

4. Squeeze the vacuum handling pump on the CPU and use it to lift the CPU away.



BACK

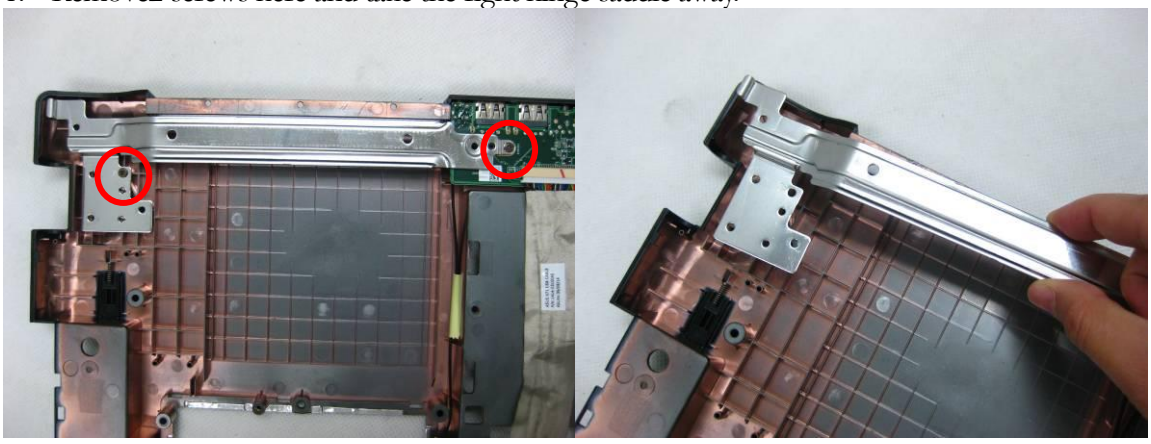
BOTTOM CASE

Bottom Case Module

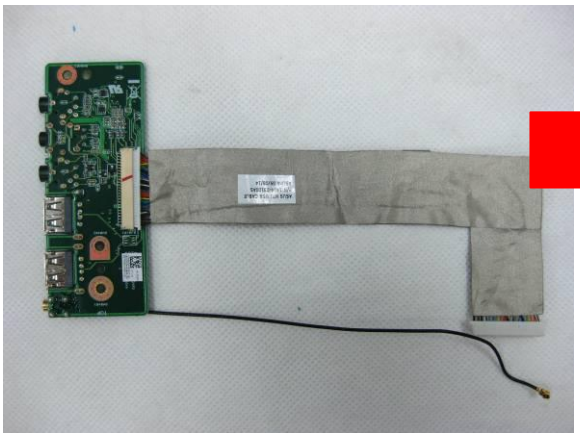
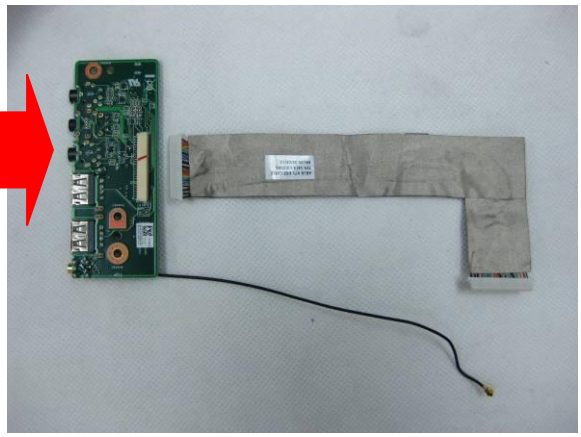
The illustrations below show how to disassemble the Bottom Case Module.

Disassemble the Bottom Case Module

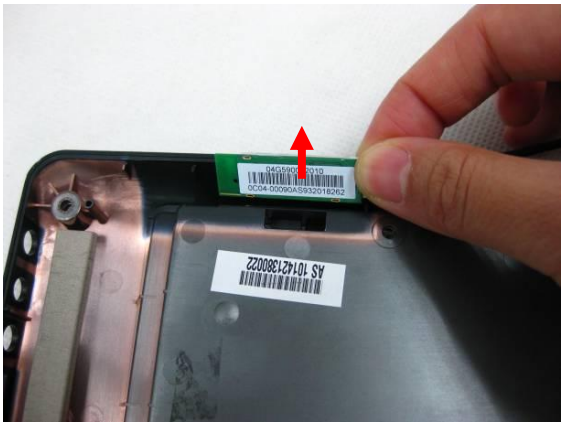
1. Remove2 screws here and take the right hinge saddle away.

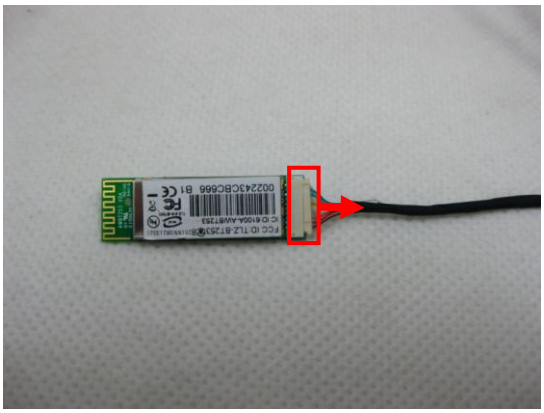


2. Tear off the tape here and take the AUDIO Board away. Then disconnect the USB AUDIO CABLE with it.

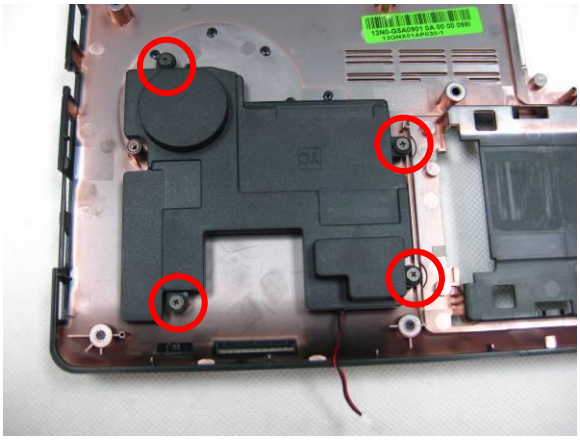



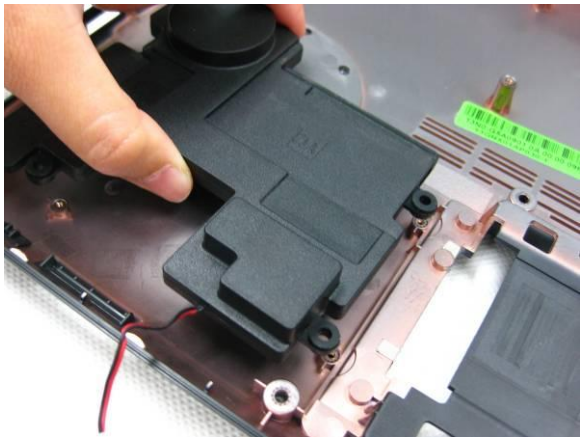
3. Remove the Bluetooth module form the bottom case, and disconnect the Bluetooth cable.





4. Remove 4 screws here and take the SUB Woofer away.





BACK